DOCUMENT RESUME

ED 369 469 JC 940 305

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TITLE Three Years after Graduation: Survey of 1990-91 Graduates and Certificate Holders.
INSTITUTION Macomb Community Coll., Warren, MI. Dept. of Research and Evaluation.
PUB DATE 15 Dec 93
NOTE 20p.
PUB TYPE Reports - Research/Technical (143) -- Tests/Evaluation Instruments (160)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS *College Transfer Students; Community Colleges; *Education Work Relationship; *Followup Studies; *Graduate Surveys; *Outcomes of Education; *Participant Satisfaction; Salaries; Student Attitudes; Student Characteristics; Two Year Colleges; Two Year College Students
IDENTIFIERS Macomb Community College MI

ABSTRACT

As part of a program of graduate follow-up studies, Macomb Community College (MCC), in Michigan, regularly conducts surveys of graduates or certificate earners 1, 3, and 5 years after their departure from the college. In September 1993, surveys were sent to 2,846 alumni from the class of 1990-91 requesting information on graduate characteristics, current employment/educational status, salary information, and perceptions of MCC. Study findings, based on responses from 1,198 former students, included the following: (1) 93% of the respondents were white and 60% were female; (2) 39.2% of the respondents indicated that their primary reason for attending MCC had been to prepare for a job, while 37% indicated that they attended to earn credit for transfer; (3) 77.8% of respondents were employed, 6.2% were unemployed, and 14.6% were full-time students; (4) of the employed respondents, 59.9% indicated that their job was directly related to their education at MCC and over half rated themselves as satisfied or very satisfied with their work; (5) the median monthly salary reported by employed graduates was between $2,000 and $2,499; (6) just over 10% of all the respondents indicated that they had earned Bachelor's or Master's Degrees; (7) respondents who had completed the General Studies or the Associate of Arts programs were most likely to earn Bachelor's degrees; and (8) 94% of the respondents indicated that they would recommend the courses they completed at MCC to others. The survey instrument is appended. (KP)

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ED 369 469

Macomb Community College

THREE YEARS AFTER GRADUATION:
SURVEY OF 1990-91 GRADUATES & CERTIFICATE HOLDERS
MACOMB COMMUNITY COLLEGE

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December 15, 1993
Proj. # 93-052

JC 940 305

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THREE YEARS AFTER GRADUATION:
SURVEY OF 1990-91 GRADUATES & CERTIFICATE HOLDERS
MACOMB COMMUNITY COLLEGE

Executive Summary

The results of the follow-up survey for the classes of 1990-91 (Grad 3) have not changed dramatically from previous Grad 3 surveys. This class was the largest of the past five years, but the response rate was lower than it has been in the past five years.

A shift has occurred in the students' objective in attending Macomb College. Historically, attendance has been for job related reasons, but the number of respondents naming these reasons has dropped consistently over the past five years. On the other hand, the number citing "transfer credit" as their objective has been increasing as has the number citing "personal interest."

Fewer respondents are employed, either full- or part-time. The figure is the lowest in five years. However, the number indicating that full-time student status (at a four-year college or university) has increased.

MCC grads and certificate holders continue to rate their Macomb education "somewhat useful" or "very useful" with a mean score of 4.28 out of a possible 5.00.

Salary range continues to be between $24,000 and $30,000 per year, although more respondents this year indicated higher salaries than ever before. The modal range is $1,500-$1,999 per month.

Respondents are almost unanimous in their willingness to recommend courses at MCC. Nearly half of this year's respondents reported transferring to a four-year institution, with Wayne State still being the number one choice. About 10% of those have completed a bachelor's degree program, 16% plan to earn a master's degree, and approximately 3% plan to earn a doctorate or professional degree.

THREE YEARS AFTER GRADUATION:
SURVEY OF 1990-91 GRADUATES & CERTIFICATE HOLDERS
MACOMB COMMUNITY COLLEGE

Each year, the Department of Research & Evaluation at Macomb Community College conducts follow-up surveys of the College graduates and certificate-holders at their first, third and fifth anniversaries. This report presents the results of the follow-up survey for the Class of 1990-91 (third year after completion).

METHODOLOGY

During the last week of September, 1993, a questionnaire was sent to the 2,846 students who graduated or earned certificates at Macomb Community College during the 1990-91 academic year. However before the mailing, we pulled 77 labels of alumni whose addresses were unknown; so the class actually had 2,923 members. A second mailing to non-respondents was conducted the middle of October. As a result of the two mailings, the survey earned a 41% response (N=1,198) based on 2,923 graduates. The rate based on number of surveys mailed (2,846) was slightly higher (42%). A historical perspective of the class size and response rates of the Grad 3 surveys is shown below in Table 1.

Letters from the project director accompanied each survey in both mailings. Returned surveys were coded by R&E staffer Phyllis Troppens under the guidance of the project director. The instruments were then sent to a contracted data-entry firm for processing to magnetic tape. Printouts were generated from that tape by Senior Research Analyst Martha Snyder and Research Analyst Ann Gerds. The project director perused these printouts along with data from previous surveys to compile this report.

The questionnaire can be found below as Appendix A. All tables are presented with 5-year data. All information from Table 2 forward is based on number of respondents unless otherwise indicated.

RESULTS

Demographics

Over the past five years, response rates have been consistently above 40%. However this year's response rate is down three points from the previous survey.

TABLE 1
CLASS SIZE AND RESPONSE RATES OVER FIVE YEARS

Yr of grad>	86-87	87-88	88-89	89-90	90-91
# of students	2732	2517	2723	2893	2923
# of responses	1143	1062	1237	1284	1198
Response rate	41.8%	42.2%	45.4%	44.4%	41.0%

Demographics of this year's respondents are consistent with prior years. More females responded than males, although the percentage of female responses is higher and the males' lower than in the past five years. Fewer people failed to answer this question than in previous surveys.

TABLE 2
SEX OF RESPONDENTS

SEX	86-87	87-88	88-89	89-90	90-91
Female	56.6%	58.9%	57.9%	56.9%	60.0%
Male	42.3%	39.9%	40.7%	42.0%	39.2%
No answer	1.1%	1.2%	1.4%	1.1%	0.8%

As we found in this year's Grad 5 survey, the ethnic composition of the student body shows minimal variation from year to year. The student body remains overwhelmingly white, although the number of black students is increasing as are other ethnic groups. Generally, between one and two percent of respondents do not answer this question.

TABLE 3
ETHNIC BREAKDOWN OF RESPONDENTS

ETHNIC GROUP	86-87	87-88	88-89	89-90	90-91
Am Ind/AK Native	0.9%	1.6%	0.7%	1.2%	1.0%
Asian/Pac Isl	1.4%	0.6%	0.5%	0.9%	1.3%
Black/not Hisp	1.4%	1.2%	1.5%	0.9%	2.0%
Hispanic	1.2%	0.8%	0.8%	0.6%	0.9%
White/not Hisp	93.9%	94.3%	95.3%	94.2%	93.0%
No answer	1.1%	1.5%	1.1%	2.2%	1.8%

Macomb graduates don't move very far from home. Just six percent of respondents live more than 50 miles from Macomb, while 88% live closer than 25 miles.

TABLE 4
CURRENT DISTANCE FROM MCC

Distance	86-87	87-88	88-89	89-90	90-91
< 25 miles	86.9%	85.4%	85.0%	85.6%	88.1%
25-49 miles	6.8	7.4	7.8	6.5	6.2
50-99 miles	1.8	2.0	1.8	3.0	2.1
100-199 miles	0.8	0.8	1.4	1.1	0.8
200 > miles	3.1	3.4	3.1	2.4	1.8
No answer	0.7	0.9	1.0	1.4	0.9

Grad 3 respondents indicated their primary objective in attending MCC was job related. Over the last five years, at least half--and in some years nearly 2/3--of respondents mentioned preparation for a new job or improvement of job skills as their reason for attending Macomb, but the number has declined steadily. This year, the number of respondents mentioning job-related objectives was two percentage points lower than last year; however, the number citing "earning transfer credit" as their objective was up two points, and it has increased steadily over five years. "Personal interest" was also up two points. "Other" and no answers remained about the same.

More men than women named their objective as improving job skills, but men and women equally named job preparation as their objective in attending Macomb. More females than males gave their reason as obtaining transfer credits, while response for personal interest was nearly equal between men and women.

Of interest is the fact that while 37% indicated their desire or to earn transfer credit, 45% reported actually transferring to a four-year college or university. Thirty-five percent reported full- or part-time student status, leaving about 10% who have already graduated with a bachelor's degree. Historical perspectives for this question are presented in Table 5.

TABLE 5
PRIMARY OBJECTIVE IN ATTENDING MCC

Reason	86-87	87-88	88-89	89-90	90-91
Prep for job	46.2%	44.7%	42.8%	40.6%	39.2%
Imprv skills	18.6	16.9	17.7	16.4	15.2
Transfer cr	26.6	32.3	33.5	35.4	37.0
Pers int	5.0	3.7	3.4	4.7	6.1
Other	2.1	1.3	1.7	1.2	1.5
No answer	1.5	1.1	0.9	1.6	1.0

Employment

Less than 70% of respondents reported being employed full time, with another 10% reporting part-time employment. This figure is down nearly one point from last year, and is considerably lower than county employment rates as a whole, but the difference is accounted for by the number of respondents indicating full-time student status. However, the percentage reporting employment has declined steadily for four years (since surveying the class of '87-'88 in 1990).

Three percent indicated they were unemployed, but seeking work (The county unemployment rate for September was 5.8%, while

state-wide the rate was 6.6.[1]). Another three percent reported being unemployed and not seeking work. Specific data are presented in Table 6. The number of respondents indicating military status remains below one percent, although this year it is lower than in any of the previous six years.

TABLE 6
CURRENT EMPLOYMENT STATUS

STATUS	86-87	87-88	88-89	89-90	90-91
# Respond	1143	1062	1237	1248	1198
Military	0.4%	0.9%	0.4%	0.5%	0.2%
Emp FT	70.7%	69.8%	68.4%	67.1%	68.4%
Emp PT	9.2	10.5	10.5	11.2	9.4
% Emp	80.3	81.2	79.3	78.3	77.8
Unemp seek	3.2%	3.3%	4.8%	4.5%	3.4%
Unemp not seek	3.3	2.3	2.5	3.3	2.8
% Unemp	6.5	5.6	7.3	7.8	6.2
Full-time stu	12.0%	11.7%	12.3%	11.7%	14.6%
No answer	1.2	1.5	1.1	1.8	1.2

More than half of respondents to the Grad 3 Survey state that their work is directly or closely related to the courses they completed at MCC. Slightly more respondents this year than last affirmed that statement, although these affirmative answers have declined by more than 25 points over the last four years. Historical perspectives are presented in Table 7.

TABLE 7
WORK/EDUCATION RELATIONSHIP

	86-87	87-88	88-89	89-90	90-91
Direct or close relate	NA	86.5%	60.5%	58.1%	59.9%
No/No answer	NA	13.5	39.5	41.9	27.4[2]
No answer[3]	--	--	--	--	12.7

[1]The Advisor, November 15, 1993, p. 1A.

[2]Accounts for only "no" responses

[3]"No answers" were combined with "No" responses for 87-88, 88-89, and 89-90.

More than half of those answering this question indicated they found their education from MCC very useful or somewhat useful. However, the percentage of students responding to this question has declined considerably over the last three years. More than one-third of respondents did not answer this question. Only 3% were dissatisfied or extremely dissatisfied. The mean score (4.28) compares favorably with recent years. Answers were based on a five-point scale.

For programs named by ten or more respondents, the range of means for usefulness of MCC education is 3.8 (Marketing) to 4.09 (Medical Office Assistant). Another program with a 4.9 mean (Industrial Electronics) had only eight respondents. Furthermore, sixteen programs earned perfect means of 5.0 for usefulness, but 13 of these were based on one respondent. The other three were behavioral science (2 respondents); physical therapy assistant (6) and tool fixture/die design (3).

TABLE 8
USEFULNESS OF MCC EDUCATION

	86-87	87-88	88-89	89-90	90-91
# Resp[4]	758	726	857	825	747
% Resp ans	66.3%	68.4%	69.3%	64.3%	62.4%
Mean	**4.30**	**4.24**	**4.25**	**4.28**	**4.28**
Very useful	34.6%	33.0%	33.6%	31.7%	30.6%
Somewhat "	22.8	25.5	25.1	23.7	23.6
Neutral	5.2	5.6	6.9	6.0	5.2
Not too	1.7	1.7	1.8	1.1	1.1
Useless	2.0	2.6	1.9	1.8	1.8
No answer	33.7	31.6	30.7	35.7	37.6

Respondents indicated slightly more satisfaction with their employment than they have over the past five years with a mean score this year of 4.08 compared to lows of 4.0, 4.02 and 4.03. More than one-third did not respond to this question, but that is consistent with previous years and with data from the preceding question. Answers were based on a five-point scale.

Job satisfaction remains about 3/10 of a point below that of usefulness of education. Historically, job satisfaction ratings of very satisfied/satisfied have been between 2/10 and 1/2 of a point below that of usefulness.

Under job satisfaction, respondents in fourteen fields gave means

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[4]Only respondents who said they were or had been employed in jobs related to their MCC education were asked to respond to this and the next two questions.

of 4.5 or higher. Four programs, all having 5.0 ratings, also had only one respondent each. The remainder were physical therapist assistant (6), 4.8; industrial electronics (8), 4.8; tool fixture and die design (3), 4.7; architectural drafting (2), 4.5; auto body design (54), 4.5; emergency medical technician (4) 4.5; law enforcement (14), 4.5; metrology and calibration technician (6), 4.5.

Table 9 shows the five-year data relating to the question of job satisfaction.

TABLE 9
JOB SATISFACTION

	86-87	87-88	88-89	89-90	90-91
# Resp	760	723	854	817	748
Mean	**4.03**	**4.00**	**4.00**	**4.02**	**4.08**
Very satisfied	21.7%	20.5%	22.5%	21.0%	20.8%
Satisfied	31.5	34.6	32.0	29.5	30.3
Neutral	8.8	7.8	8.7	8.0	7.9
Dissatisfied	2.3	2.9	4.0	3.4	2.4
Extreme dissat	2.2	2.3	1.8	1.6	1.0
No answer	33.5	31.9	31.0	36.4	37.6

In response to the question about the relationship between the benefit of courses taken at MCC and career plans, the majority of respondents agreed that their education at MCC has benefitted their careers directly or indirectly. Among those who answered this question (more than one-third did not) that agreement rises to nearly unanimous: 99.6%. Less than one-half of one percent of respondents to this question, and less than one-half of all respondents, found no career benefit in their education at MCC.

TABLE 10
CAREER BENEFIT OF EDUCATION

	86-87	87-88	88-89	89-90	90-91
# Resp	758	725	860	824	748
Direct ben	50.6%	53.3%	52.3%	49.4%	49.9%
Indirect	15.4	14.2	16.5	14.1	12.2
No benefit	0.4	0.8	0.7	0.7	0.3

Over time, about 60% of those who answer the survey question about salary provide the information requested. This year was no exception, when 56.9% provided salary data. The median monthly salary of third-year graduates remains between $2,000 and $2,499 where it has been for at least six years. This equates to an annual salary between $24,000 and $30,000 per year.

More respondents this year indicated higher salaries ($3,000 and over) than ever before, although the range reported by the most respondents is $1,500-$1,999 (10.6%). This has been the modal range for five of the last six years: in 1991 (Class of 88-89) the mode was $2,000-2,499.

TABLE 11
SALARY RANGE

Range	86-87	87-88	88-89	89-90	90-91
# Resp	709	653	764	723	682
% Resp	62.0%	61.5%	61.8%	56.3%	56.9%
$4,000 or more	4.6%	5.4%	5.1%	4.7%	6.3%
$3,500-3,999	1.8	2.1	3.4	3.1	4.3
$3,000-3,499	5.0	4.9	5.6	4.5	6.4
$2,500-2,999	8.8	8.9	8.0	8.1	7.1
$2,000-2,499	11.5	11.5	13.1	11.9	10.0
$1,500-1,999	13.6	14.0	11.6	11.2	10.6
$1,000-1,499	13.4	10.7	11.2	9.4	9.4
< $1,000	3.2	4.0	3.8	3.3	2.8
No answer	38.0%	38.5%	38.2%	43.7%	43.1%

Education

All but 6% of respondents indicated they would recommend courses at Macomb Community College, which is consistent with prior years. Between 2.5% and 5% (Class of '85-'86) traditionally do not answer this question.

TABLE 12
WILLINGNESS TO RECOMMEND MCC COURSES

	86-87	87-88	88-89	89-90	90-91
Yes	95.4%	92.7%	94.1%	93.1%	93.6%
No	2.1	4.0	2.8	3.0	2.6
N/A	2.5	3.3	3.1	4.0	3.8

Historically, about 26% of Grad 1 respondents and about 45% of Grad 5 respondents indicate that they've transferred to a four-year college or university. This year, 45% of third-year graduates reported transferring to a four-year, baccalaureate degree-granting college or university. This figure is slightly higher than last year's but not as high as three years ago when 47% reported transferring.

Wayne State remains the leader in MCC transfers, with Walsh, Oakland University, Central Michigan and Lawrence Tech following.

All but Lawrence Tech are partners at Macomb's University Center[5]. The fifth partner, University of Detroit Mercy, is in sixth place. These five schools account for 392 or 73% of this year's reported transfers, a figure unchanged since last year's Grad 3 report both in single year and five-year transfer rates. More transfers were reported in the recent Grad 5 study of 1988-89 MCC graduates (51%).

The ranking of several colleges and universities changed with this year's report of transfers by graduates of the MCC classes of '90-'91. Those which have changed are listed below in Table 13.

TABLE 13
CHANGES IN RANK OF 4-YR INSTITUTIONS BY MCC TRANSFERS

College/University	1992 Rank by Transfer	1993 Rank by Transfer
Michigan State University	7	8
University of Michigan - Dearborn	8	7
Eastern Michigan University	9	10
Northwood Institute	10	9
University of Michigan - Ann Arbor	12	17
Detroit College of Business	13	12
Madonna University	14	13
Siena Heights College	16	14
Center for Creative Studies	17	16
Marygrove College	26	24
Lake Superior State University	24	25
Spring Arbor College	0	26
Davenport College	0	27
GMI Engrg. & Mgmt. Institute	0	28

A complete list of transfer institutions and the number of transfers over a five-year period is displayed in Table 14 below. Rankings are presented in descending order based on the five-year total of reported transfers.

Although Wayne State is the number one transfer destination, there is a tendency for graduates of certain programs to transfer to a particular senior institution. For example, accounting

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[5]Home to the bachelor's degree programs of five senior institutions, it offers programs and course work for third-year and fourth-year college students [in 13 program areas]. It is located on the Center Campus of Macomb Community College. (A Guide to Programs and Services, 1992-93, p. 3, University Center, Macomb Community College, Warren, MI)

TABLE 14
REPORTED TRANSFERS TO 4 YEAR COLLEGE/UNIVERSITY

Transfer Inst	86-87	87-88	88-89	89-90	90-91	TOTAL
Wayne State U	134	146	165	169	172	786
Walsh	93	88	108	119	92	500
Oakland U	76	74	85	59	68	362
Central MI U	36	26	34	47	40	183
Lawrence Tech	26	22	41	36	29	154
U of D-Mercy	13	17	15	19	20	84
UM-Dearborn	11	14	11	12	13	61
Mich State U	11	9	14	10	6	50
Northwood	10	8	8	9	12	47
Eastern MI U	9	8	10	11	5	43
Western MI U	7	6	6	4	4	27
Det Coll Bus	-	7	8	8	3	26
Madonna	8	3	3	3	8	25
Siena Hts.	6	1	6	3	4	20
Ferris State	5	1	4	4	4	18
CCS	8	-	1	2	6	17
UM-Ann Arbor	4	2	8	5	1	14
UM-Flint	1	4	4	1	2	12
Concordia	8	-	-	-	-	8
MI Tech U	1	1	2	1	3	8
Saginaw Valley	1	2	1	2	1	7
Grand Valley	1	-	3	1	-	5
Northern MI U	-	-	1	2	2	5
Marygrove	1	-	1	-	1	3
Lake Superior	1	-	-	1	-	2
Spring Arbor	-	-	-	-	2	2
Davenport	-	-	-	-	2	2
GMI	-	-	-	-	1	1
Other coll/univ	24	24	38	27	25	138
TOTAL REPT TRAN	**495**	**463**	**577**	**554**	**536**	**2625**
TOTAL SUR RESP	**1143**	**1062**	**1237**	**1284**	**1198**	**5924**
% REPT TRANSFER	**43.3%**	**43.6%**	**46.6%**	**43.1%**	**44.7%**	**44.3%**

majors overwhelmingly go to Walsh College. Three factors may be at work: availability of program, reputation of the institution's program in a particular area, and availability of program at the University Center.

These data concerning program and transfer institution are presented in Table 15.

TABLE 15
REPORTED TRANSFERS BY MCC PROGRAMS
(Top 10 schools, Programs with 10 or more respondents)

MCC Prog	# Resp	WSU	Walsh	CMU	OU	LTU	UDM	UMD	MSU	NMd	EMU	Oth	NA
Gen Studies	337	75	16	16	22	11	6	3	3	7	2	24	152
Assoc Arts	108	32	7	7	20	2	4	1				15	20
Gen Bus	98	10	35	4	2		1	1		1		3	41
Bus Mgt	64	8	9	2	1		1	1		3		3	36
ABD	63	6			1	3	3	1				5	44
Nursing	54	2					4					3	45
Acct	49	4	16									3	26
CIS	36	7	4		3		2						20
LAT	28	2		1	1		2	2				3	17
EET	21	4				1						4	12
Auto Tech	18	2			1	1						2	12
Word Proc/ Info Spec	18		1									1	16
Law	17	3			1	1	2					1	9
Clim Contr	14	1											13
MOA	14						1					2	11
GCA	13			1		1						3	8
ECH	12	4		1	1							2	8
Marketing	11		3	2	1								5
Vet Tech	10						1						9

This year, just over 10% of respondents to Grad 3 indicated they have earned a bachelor's degree since leaving MCC. The number increases to 26% for respondents to the Grad 5 survey. After a steady increase over four years (but still amounting to less than one percent), .1% (1 person) indicate having earned a master's degree; the figure is the same for professional degree, but just

over 1% indicate they hold or have earned "other." While this term is somewhat nebulous relative to college degrees, it may mean some type of professional certification. Nearly 40% did not respond to this question. A 5-year perspective is presented in Table 16.

Respondents represented 85 program certificates or degrees. Twenty programs had 10 or more respondents. They are listed along with the number of respondents in that program in Table 17.

TABLE 16
HIGHEST DEGREE HELD BY MCC GRADS

Degree	86-87	87-88	88-89	89-90	90-91
Associate	45.0%	45.2%	48.5%	47.4%	48.7%
Bachelor	8.3	10.4	10.0	10.6	10.4
Master's	0.2	0.3	0.4	0.5	0.1
Professional	0.2	0.1	0.2	0.1	0.1
Other	0.8	0.0	0.8	0.7	1.3
No answer	45.6	44.1	39.7	40.7	39.4

More than half of the respondents indicated they planned to earn a higher degree, mainly a bachelor's (33%, N=393) or a master's (16%, N-189). Approximately 3% indicated plans to pursue a doctorate or professional degree.

When examined by program, we find that more of those with general studies degrees or associate of arts (AA) (the two largest MCC programs) degrees have gone on to earn a bachelor's degree. Seventeen percent of those with general studies degrees have already earned a bachelor degree and 16% of those with an AA degree have. General Business graduates also have a high percentage of bachelor degrees: 13%. Six respondents (9%) with associate degrees or certificates in business management (N=64) have bachelor degrees. A breakdown of highest degree held by graduates of programs having 10 or more respondents is shown in Table 17 below.

Those who had earned a bachelor's degree were equally divided among men and women, but slightly more females than males intended pursuing a masters or doctorate. For those who had not yet earned a bachelor's degree, the number of men and women planning to continue to that point was equal.

TABLE 17
HIGHEST DEGREE HELD BY RESPONDENTS
BY MCC PROGRAM

MCC PROGRAM (N Respondents)	ASSOC	BA/BS	Master	Prof	Oth
General Studies (337)	168	56		1	4
Assoc of Arts (108)	76	17			9
General Business (98)	61	13			
Business Mgmt (64)	35	6			
Auto Body Design (63)	27	17			
Nursing (54)	17				
Accounting (49)	25	4			
Comp Info Sys (36)	21	1			
Legal Asst Tech (28)	9	4	1		
Electronic Engr Tech (21)	12	1			
Automotive Tech (18)	7	1			
WP/Inf Proc Spec (18)	4				
Law Enforcement (17)	11	2			
Medical Ofc Asst (14)	6				
Climate Contr Tech (14)	4				
Graphic Comm Art (13)	6	1			
Early Childhood Care (12)	6	1			
Marketing (11)	4	2			1
Admin Asst (10)	4				
Vet Tech (10)	5				

While there are exceptions, highest degrees tended to be in fields related to those in which Macomb grads/certificate holders had completed programs. For example, MCC accounting grads transferred into accounting programs (51%); business management grads transferred into business related programs (68%). Statistics are presented in Table 18 below for those transfer programs representing more than 5% of respondents.

TABLE 18
COMPARISON OF MCC PROGRAM BY REPORTED TRANSFER PROGRAM

# Resp by MCC Prog	MCC/Transfer Program	# Trans in Prog	% Resp In Prog
49	Accounting/Accounting	25	51.1%
10	Adm Asst/Comp Science	2	2.0
	Adm Asst/Business Adm	1	10.0
108	Assoc Arts/Education*	15	14.0
63	ABD/Physics	3	5.6
18	Auto Tech/Engrg Tech	1	5.6
	Auto Tech/Biochemistry	1	5.6
	Auto Tech/Management	1	5.6
	Auto Tech/Mech Engrg	1	5.6
13	GCA/Business Adm	1	7.7
64	Bus Mgmt/Accounting	4	6.4
	Bus Mgmt/Management	22	39.1
	Bus Mgmt/Bus Adm	6	9.4
	Bus Mgmt/Business	4	6.3
14	CCT/Engineering	1	7.1
36	CIS/Comp Sci	15	44.4
12	ECH/Elem Educ	2	16.7
17	Law/Criminal Justice	12	70.6
28	LAT/Pre-Law	2	7.1
	LAT/Business Adm	3	10.7
11	Marketing/Marketing	3	27.3
	Marketing/Finance	1	9.1
	Marketing/Business	1	9.1
337	Gen Studies/Mgmt	17	5.0
	Gen Studies/Business or Bus Adm	24	7.2

*Includes all education programs (general, elementary, secondary, special).

Based on responses to this year's Grad 5 survey, by the time two more years has elapsed (Grad 5 Survey), this list will shorten considerably--either by students stopping out, dropping out, or completely changing major field.

Some evidence of gender exclusivity appeared in the Grad 3 Survey when analyzing programs by sex of respondent. For example, all respondents of six programs were female: Administrative Assistant, Early Childhood Care, Medical Office Assistant, Mental Health Technician, Respiratory Therapy, and Vet Tech. (Not surprisingly, these are female-dominated fields.) In addition, respondents to 15 other programs with fewer than ten respondents each were exclusively female. Accounting, Legal Assistant, Physical Therapy Assistant, Associate of Arts, General Business and several others were mostly female respondents

Out of the programs having male respondents, 34 were exclusively male. These were nearly all in the technical areas, but the number of respondents in each case was under 10 (range 1-8). Twenty-seven programs had both male and female respondents.

VERBATIM COMMENTS

The last question on the survey instrument offered respondents the opportunity to comment on ways MCC could improve the program the respondent had completed or services that the College provides.

These comments were typed by Ms. Phyllis Troppens exactly as they appeared on the survey instrument. They were analyzed for content by the project director and the results are listed below in Table 19.

TABLE 19
CONTENT ANALYSIS OF COMMENTS TO Q.21

Comment category	# Cited
Course/program content	55
Job (placement, internship, co-op, availability)	53
Kudos	53
Faculty	50
Other	41
Transfer	30
Counseling	24
Course schedule	22
Computers (hardware or software)	22
New programs/courses	15
Multiple categories	9
No comment[6]	9
Degree requirements	6
University center	5
Parking	4

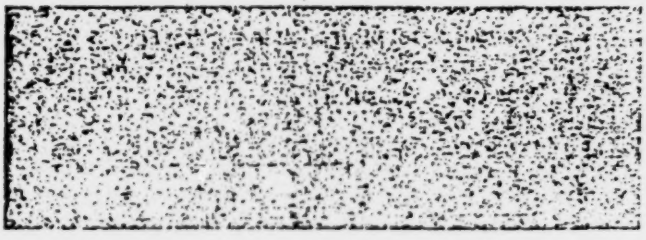
[6]Items like "I have nothing to add," or "I have no comment" were included here.

APPENDIX A

Macomb Community College

3-YEAR GRADUATE FOLLOW-UP SURVEY

GRAD 3 MiSIS



Please respond as appropriate. The information will help the College plan its course and program offerings in the future.

SECTION A

1. What is your ethnic group?
   - ☐ 1 American Indian or Alaskan Native
   - ☐ 2 Asian or Pacific Islander
   - cc19 ☐ 3 Black, not of Hispanic Origin
   - ☐ 4 Hispanic
   - ☐ 5 White, not of Hispanic Origin

2. What is your sex?
   - cc20 ☐ 1 Male
   - ☐ 2 Female

3. How far from MCC are you currently living?
   - ☐ 1 Less than 25 miles
   - ☐ 2 25–49 miles
   - cc21 ☐ 3 50–99 miles
   - ☐ 4 100–199 miles
   - ☐ 5 200 miles or more

4. What was your **primary** objective in attending MCC?
   - ☐ 1 improving existing job skills
   - ☐ 2 Preparing for a future job
   - cc22 ☐ 3 Earning university transfer credit
   - ☐ 4 Following a personal interest
   - ☐ 5 None of the above

5. Which one of those below **best** describes your **present** status?
   - ☐ 1 On active military service
   - ☐ 2 Employed full-time
   - cc23 ☐ 3 Employed part-time
   - ☐ 4 Unemployed, seeking work
   - ☐ 5 Unemployed, not seeking work
   - ☐ 6 A student at a 4-year college or university

SECTION B

If you have enrolled at a 4-year college or university since your graduation from MCC, please answer questions 6 through 11. If you have not enrolled at a 4-year college or university since your graduation from MCC, skip this section and go to Section C.

6. What is the name of the 4-year college or university you attended most recently?

   cc24-25 1 _____ School Name

   2 _____ City and State

7. In **Column A** indicate the highest degree you **now** hold and in **Column B** indicate the degree you **plan to earn** in the future.

cc26 A	B	cc27
☐ 1	☐ 1	Associate (AA, AAS, etc.)
☐ 2	☐ 2	Bachelor's (BA, BS, BSN, etc.)
☐ 3	☐ 3	Master's (MA, MS, etc.)
☐ 4	☐ 4	Ph D or Ed D
☐ 5	☐ 5	Professional Degree (Medicine, Dentistry, Law, Divinity, etc.)
☐ 6	☐ 6	Other

8. In what field of study is the highest degree you now hold? Indicate your major field or program of study:

   cc28-30 _____

9. What is (was) your overall grade point average at the 4-year college or university?
   - ☐ 1 Less than 1.0
   - ☐ 2 1.0–1.9
   - cc31 ☐ 3 2.0–2.9
   - ☐ 4 3.0–3.9
   - ☐ 5 4.0

10. **If you are currently enrolled in a 4-year college or university,** please indicate your current status.
    - ☐ 1 Part-time student (Less than 12 undergraduate hours)
    - cc32 ☐ 2 Full-time student (12 undergraduate hours or more)

11. **If you are currently enrolled in a 4-year college or university,** please indicate your classification.
    - ☐ 1 Junior
    - cc33 ☐ 2 Senior
    - ☐ 3 Graduate student
    - ☐ 4 Other

Please continue on the opposite side of this page.

■ SECTION C

If you have been employed since graduation from MCC, please answer these questions as directed.

12. Are you currently employed?

cc34 ☐ 1 Yes ▸ ***Go to Question 13.***
☐ 2 No ▸ ***Go to Question 14.***

13. Is your position related to the courses you completed at MCC?

cc35 ☐ 1 Yes, directly or closely related ▸ ***Go to Question 15.***
☐ 2 No ▸ ***Skip to Section D.***

14. **Have** you been employed since your graduation in a position related to the courses you completed at MCC?

cc36 ☐ 1 Yes, directly or closely related ▸ ***Go to Question 15.***
☐ 2 No ▸ ***Go to Section D.***

15. How useful in doing your day-to-day work is (was) the training which you received at MCC?

☐ 1 Useless
☐ 2 Not too useful
cc37 ☐ 3 Neutral
☐ 4 Somewhat useful
☐ 5 Very useful

16. How satisfied are (were) you with your employment?

☐ 1 Extremely dissatisfied
☐ 2 Dissatisfied
cc38 ☐ 3 Neutral
☐ 4 Satisfied
☐ 5 Very satisfied

17. How do you rate the courses you took at MCC in terms of your career plans?

☐ 1 Of no benefit
cc39 ☐ 2 Of indirect benefit
☐ 3 Of direct benefit

18. **If you are (have been) employed full-time,** please indicate your average monthly salary range (gross). This information, when combined with that from others of your graduating class, will help current MCC students in their career planning.

☐ 1 Less than $1,000
☐ 2 $1,000–$1,499
☐ 3 $1,500–$1,999
cc40 ☐ 4 $2,000–$2,499
☐ 5 $2,500–$2,999
☐ 6 $3,000–$3,499
☐ 7 $3,500–$3,999
☐ 8 $4,000 or more

▸ ***Go to Section E.***

■ SECTION D

19. Since, as you indicated in Section C, your occupation is (was) not related to the courses you took at MCC, please check each reason below which applies.

cc41 ☐ 1 Transferred to a 4-year college or university
cc42 ☐ 2 My training at MCC did not qualify me for a job in my field
cc43 ☐ 3 Preferred to work in another field
cc44 ☐ 4 Found a better paying job in another field
cc45 ☐ 5 Could not find a job in my field of preparation
cc46 ☐ 6 Worked previously in field of preparation, but changed
cc47 ☐ 7 Other (Describe) _____

_____

■ SECTION E

20. Would you recommend the courses you completed at MCC to others?

cc48 ☐ 1 Yes
☐ 2 No

21. We should appreciate any comments regarding how MCC could improve the program you completed or the services the College provided. Please locate your comments here.

_____

_____

_____

_____

_____

_____

Thank you for answering this survey. Please return this form in the pre-paid envelope as soon as possible.